

# ORTHOSIS HAVING THERMALLY DEFORMING PROPERTY

Publication number: JP9234241  
Publication date: 1997-09-09  
Inventor: MINAMII YOSHIHIRO  
Applicant: SHIMADZU CORP  
Classification:  
- international: *A41C1/02; A61F5/058; A61F13/04; A61L15/58; C08G63/06; A41C1/02; A41C1/00; A61F5/04; A61F13/04; A61L15/16; C08G63/00; A41C1/00; (IPC1-7): A41C1/02; A61L15/58; A61F5/058; A61F13/04; C08G63/06*

- European:

Application number: JP19960071376 19960229  
Priority number(s): JP19960071376 19960229

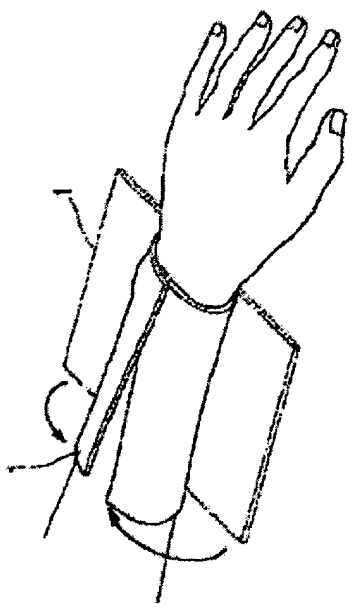
[View INPADOC patent family](#)

[View list of citing documents](#)

[Report a data error here](#)

## Abstract of JP9234241

PROBLEM TO BE SOLVED: To provide an inexpensive orthosis which can easily be thermal- deformed from a standard shape to a user-specific shape and reduces the disposal problem after use. SOLUTION: A thermally deformable orthosis is made from a poly-lactic acid resin with a glass-transition point of 40 to 80 deg C. The resin is formed in a standard orthosis shape, the orthosis is thermal-deformed at a temperature higher than the glass-transition point and lower than the molding temperature (for example, bathed in hot water), then the orthosis is cooled to a temperature lower than the glass-transition point with keeping the deformed shape (for example, naturally cooled in the air) and fixed its deformed shape. As mentioned above, a standard shape orthosis is thermal-deformed and a user-specific shaped orthosis 1 is obtained.



---

Data supplied from the *esp@cenet* database - Worldwide